

Amendments to the Claims:

This listing of claims will replace all prior versions and listing of claims in the application.

Listing of Claims:

1-13. (Canceled)

14. (New) A security terminal system for determining a kind or existence of dangerous substance having a terminal system provided in an inspection room of said dangerous substance and a support system connected to said terminal system through a communication line,

said terminal system comprises a sampling means for sampling a substance to be inspected, a analyzing means for analyzing said substance to be inspected, a first determination means having a first standard data for determining said dangerous substance based on analyzing data obtained by said analyzing means, a communication means for communicating with said support system through said communication line, a display means, and a control means for controlling said each means of said terminal system,

said support system comprises a communication means for communicating with said terminal system through said communication line, a database for storing at least data relating to determination of said dangerous substance, a second determination means for determining said dangerous substance by comparing said

analyzing data received from said terminal system, and a control means for controlling said each means of said support system, wherein

said first determination means of said terminal system performs a first determination to determine said kind and said existence of said dangerous substance by comparing said analyzing data with said first standard data,

when said first determination means determines said existence of said dangerous substance, said control means of said terminal system performs a second analyzing process in said analyzing means, and transmits an analyzing data obtained by said second analyzing process to said support system through said communication means of said terminal system, and

said second determination means of said support system has second standard data, and performs a second determination to determine said kind and said existence of said dangerous substance by comparing said analyzing data obtained by said second analyzing process and received from said terminal system through said communication means with said second standard data.

15. (New) A security terminal system as claimed in Claim 14, wherein

said sampling means samples air around said substance to be inspected, and

said analyzing means for analyzing is a mass spectrometric means for analyzing a mass of said substance to be inspected which is sampled by said sampling means.

16. (New) A security terminal system as claimed in Claim 15, wherein

said mass spectrometric means is one for performing ion trap type mass analyzing, and comprises a sample gas intake section, a decompression chamber, and a high vacuum chamber,

in said sample gas intake section, oxygen contained in the sampled air is ionized by emitting electrons by corona discharge, and the ionized oxygen reacts with molecules characteristic of the explosive and then ionized again those molecules so as to be trapped, and mass spectrum data of the sample gas are detected with an ion detector in said high vacuum chamber.

17. (New) A security terminal system as claimed in Claim 16, wherein

said first standard data corresponds to said mass spectrum data of ion of said molecules characteristic of the explosive, as a first determination performed by said first determination means, the existence of said ions of the said molecules characteristic of the explosive is judged by comparing said mass spectrum data with said first standard data.

18. (New) A security terminal system as claimed in Claim 17, wherein

said second standard data corresponds to said mass spectrum data of fragment ions generated by converting kinetic energy into internal energy, said kinetic energy being obtained by colliding helium gas, as a second determination performed by said second determination means, the existence and kind of said ions of the said molecules characteristic of the explosive is judged by comparing said mass spectrum data obtained by said second determination with said second standard data.

19. (New) A security terminal system as claimed in Claim 14, wherein

said terminal system comprises a measuring device that measures weight of said substance to be inspected, and a X-ray device that photographs an X-ray image of said substance to be inspected, and said control means of said terminal system transmits said weight and said X-ray image from said measuring device and said X-ray device to said support system through said communication means when said first determination means determines said dangerous substance.

20. (New) A security terminal system as claimed in Claim 19, wherein

said support system further comprises a processing guidance part and provides a guidance for a corresponding processing of said substance to be

inspected based on a result of said second determination and said weight and received from said terminal system, and

said control means of said terminal system controls said display means so as to display said guidance received thereby.

21. (New) A security terminal system for determining a kind or existence of dangerous substance having a terminal system provided in an inspection room of said dangerous substance and support system connected to said terminal system through a communication line,

said terminal system comprises a sampling means for sampling substance to be inspected, an analyzing means for analyzing said substance to be inspected, a determination means having a standard data for determining said dangerous substance based on analyzing data obtained by said analyzing means, a communication means for communicating with said support system through said communication line, a display means and a control means for controlling said each means of said terminal system, wherein

said determination means of said terminal system performs a determination to determine said kind and said existence of said dangerous substance by comparing said analyzing data with said first standard data,

when said determination means determines said existence of said dangerous substance, said control means performs a second analyzing process in said

analyzing means, and transmits an analyzing data obtained by said second analyzing process to said support system through said communication means.

22. (New) A security terminal system for determining a kind or existence of dangerous substance having a terminal system provided in an inspection room of said dangerous substance and support system connected to said terminal system through a communication line,

said support system comprises a communication means for communicating with said terminal system through said communication line, a database for storing at least data relating to determination of said dangerous substance, a determination means for determining said dangerous substance contained in substance to be inspected by comparing said analyzing data received from said terminal system, and a control means for controlling said each means of said support system, wherein

when said determination means determines said existence of said dangerous substance as a result of a first determination in said terminal system, said support system receives an analyzing data transmitted from said terminal system, and

said determination means has standard data, and performs second determination to determine said kind and said existence of said dangerous substance by comparing said analyzing data received from said terminal system through said communication means with said standard data.